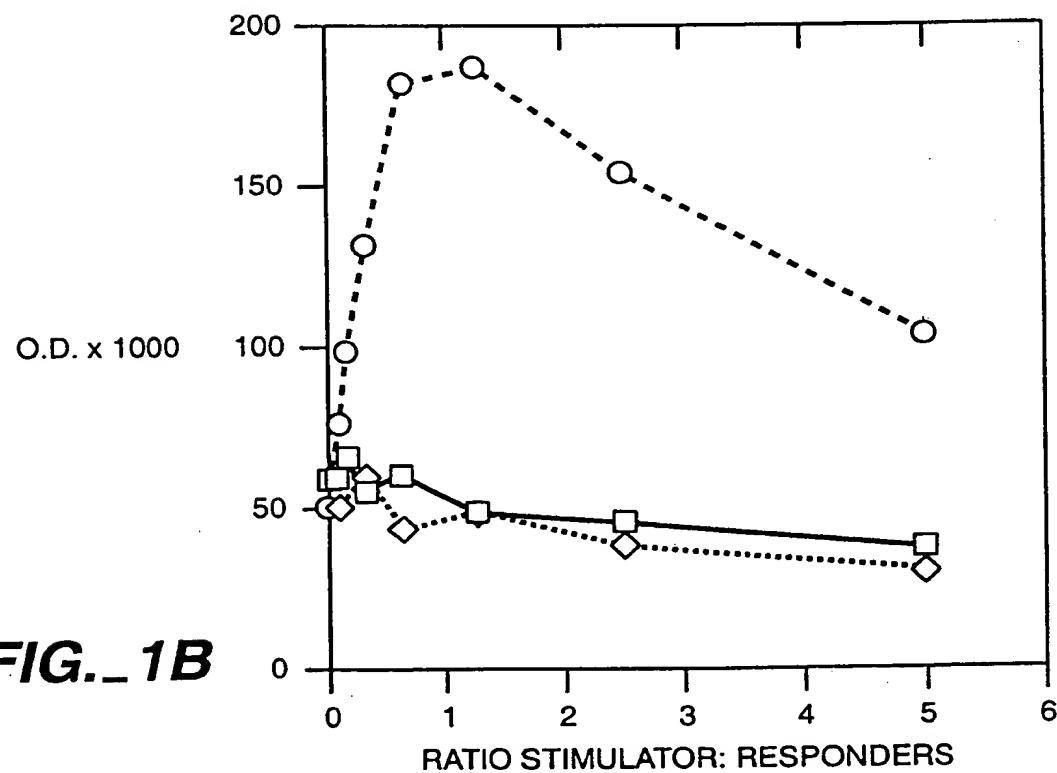
**FIG. 1A**

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**FIG. 1B**

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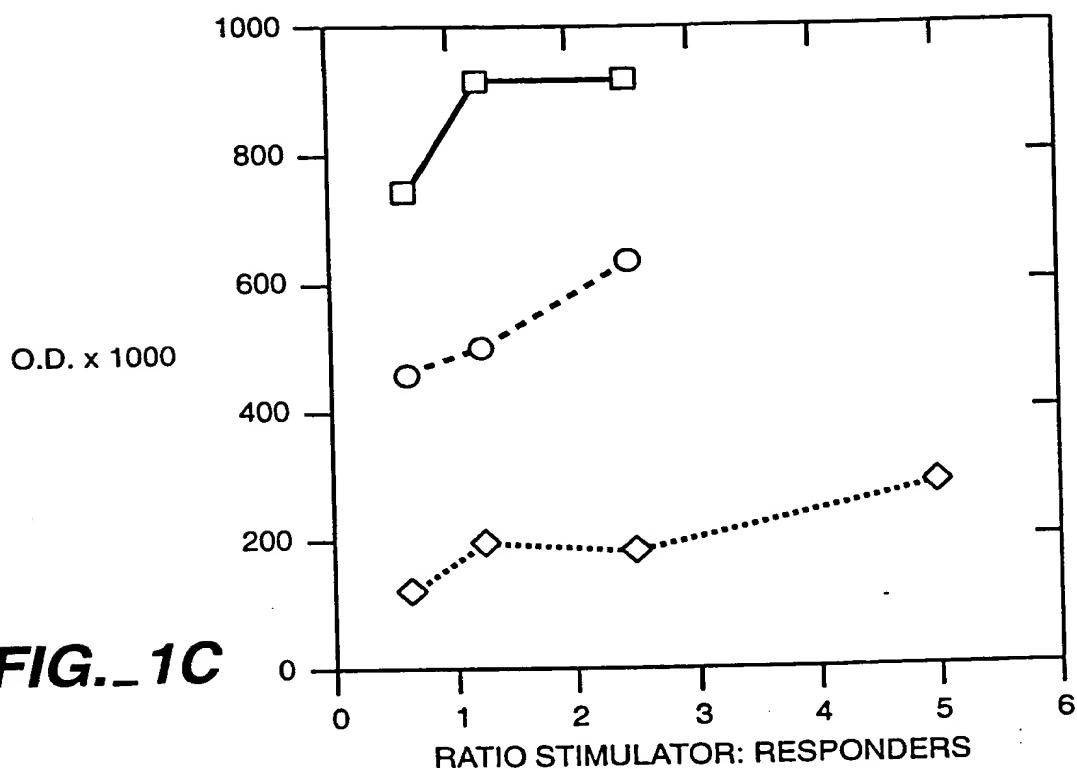


FIG._1C

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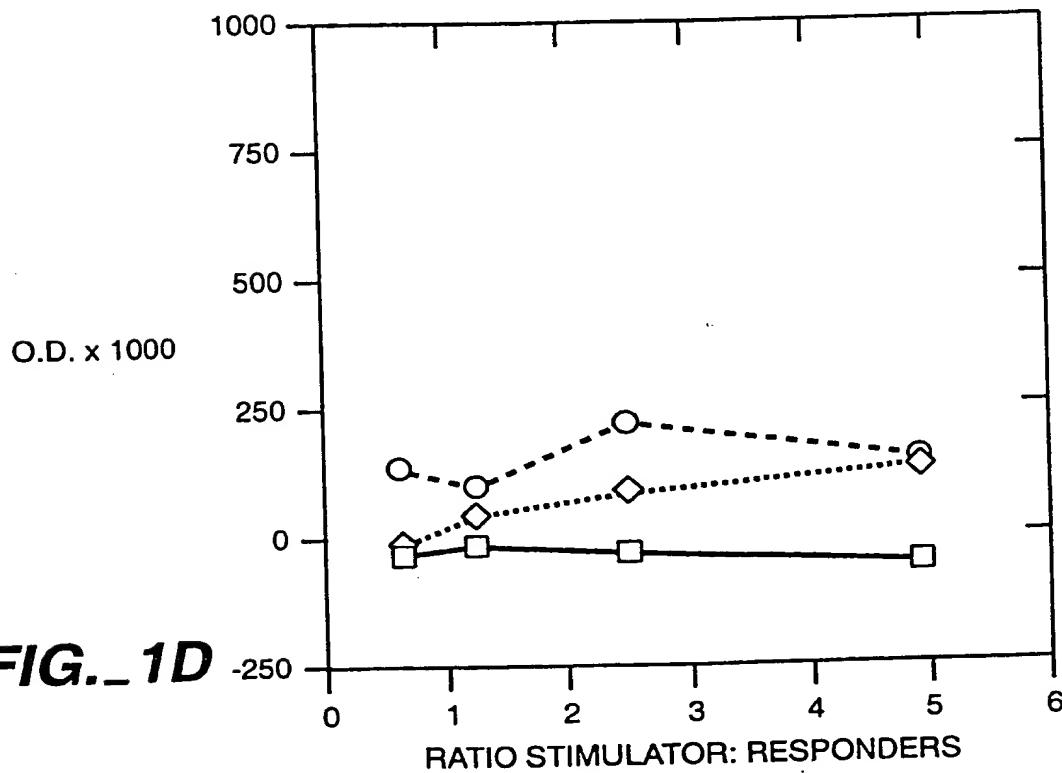


FIG._1D

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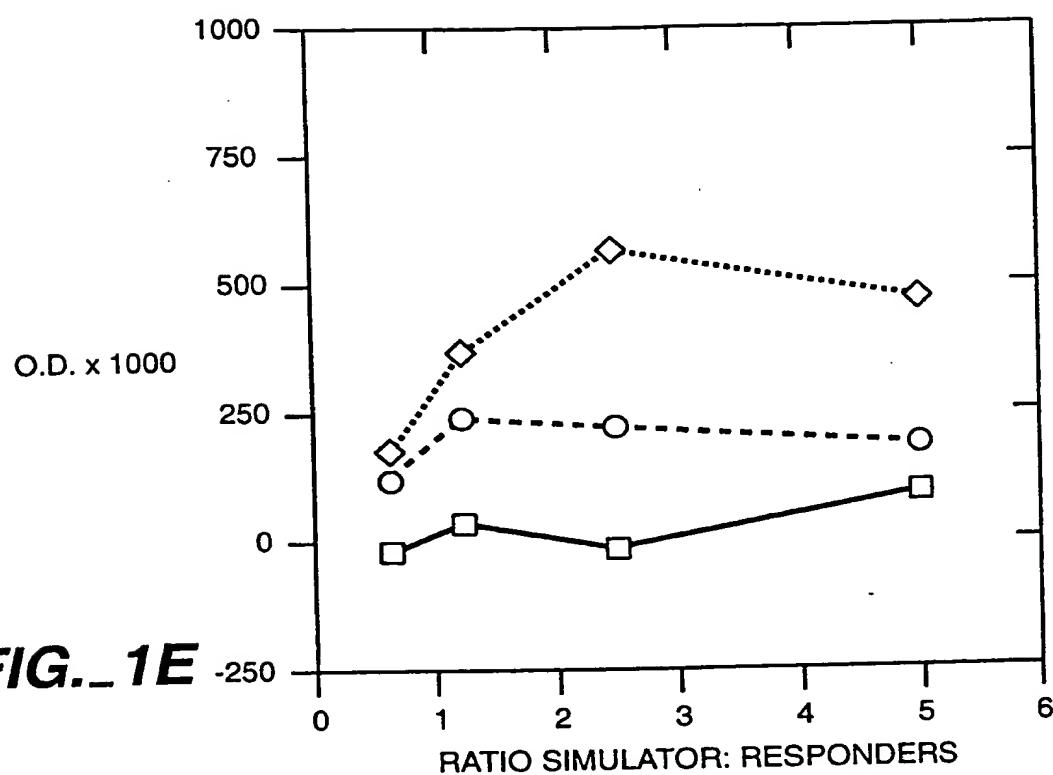


FIG.- 1E

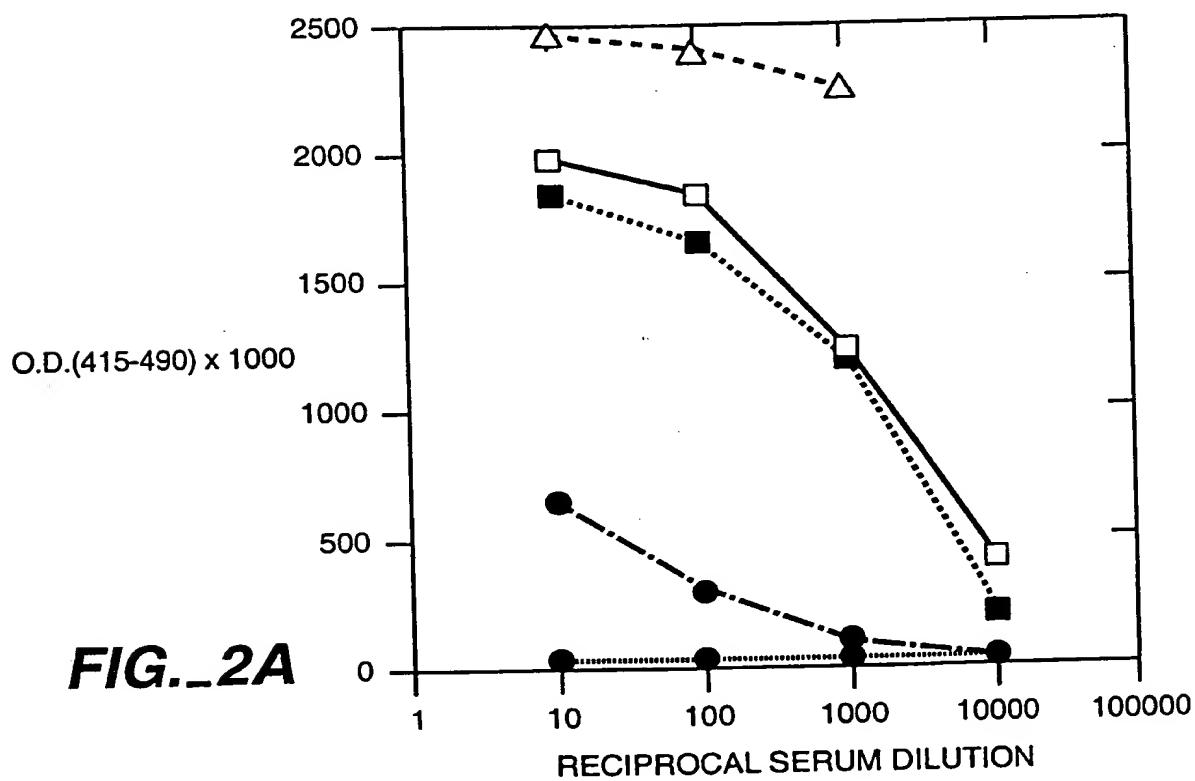
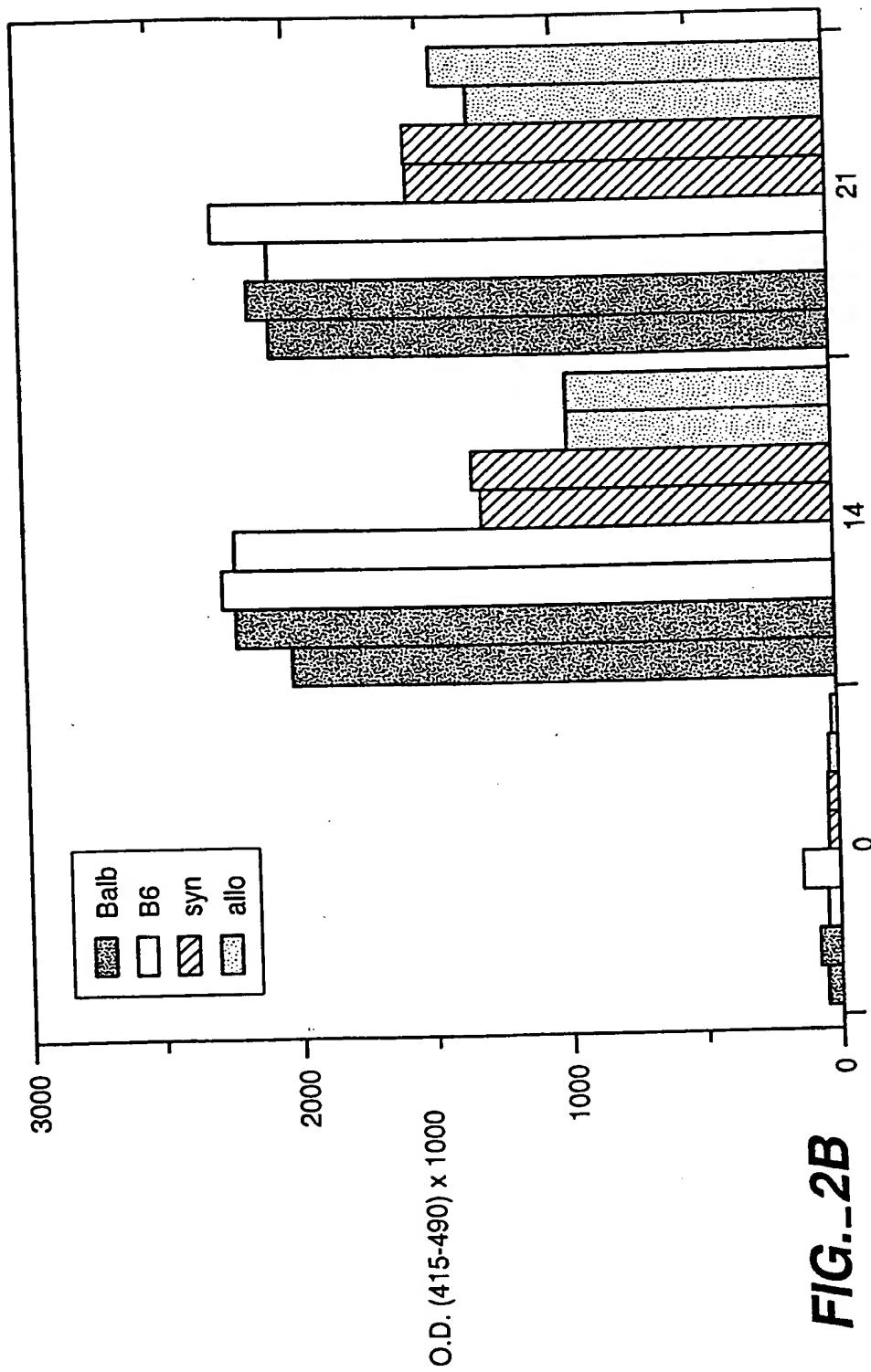


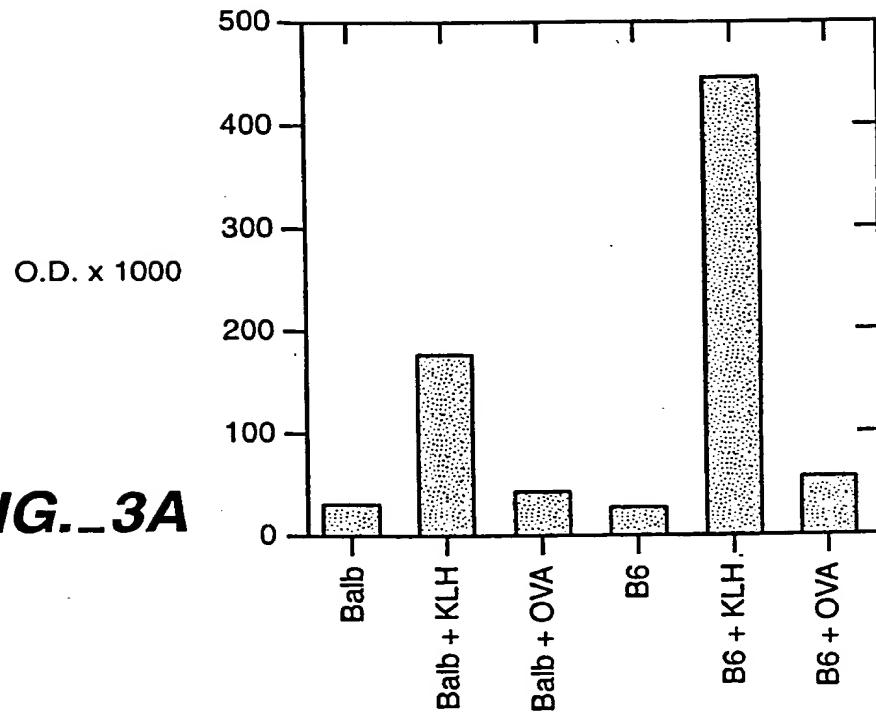
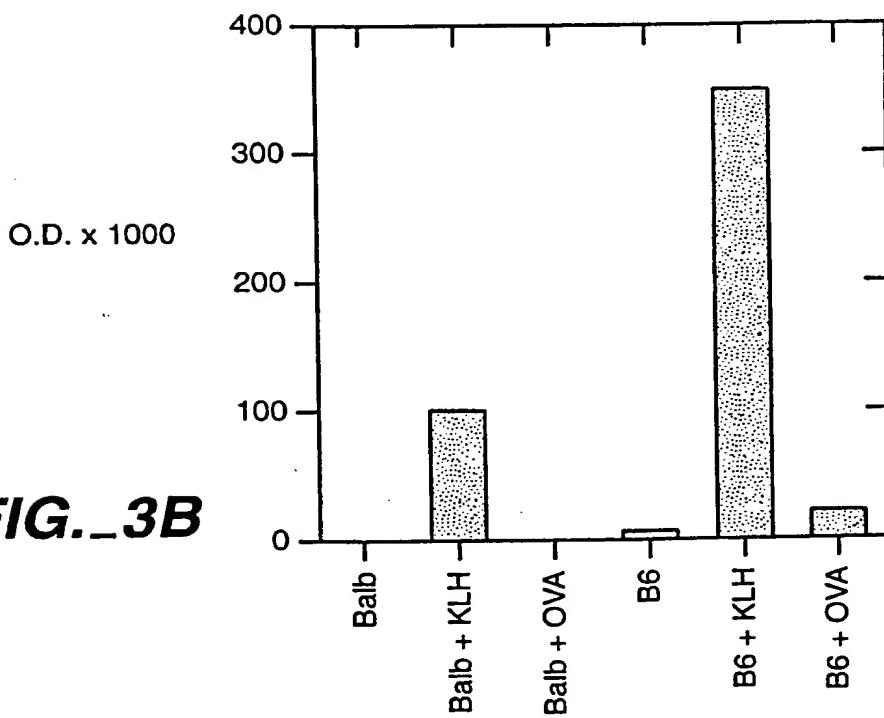
FIG.- 2A

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FILE 280 " 68 985 1660



**FIG._3A****FIG._3B**

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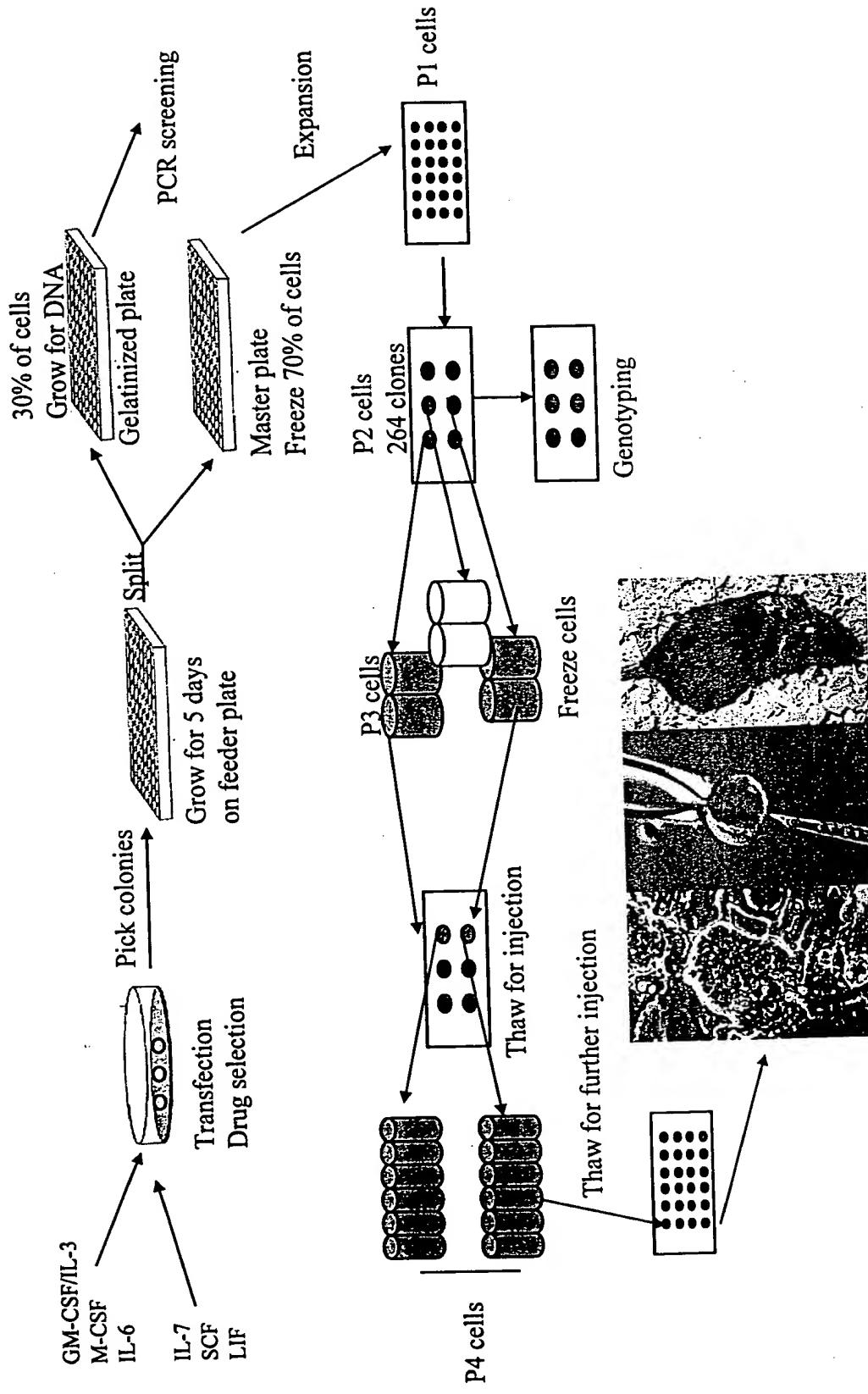


FIG. 4

Tissue Expression of Human Transgenes
(by RT-PCR)

Tg lines	Cytokines	spleen	thymus	liver	kidney	heart	muscle	lung	brain	BM
71	GM-CSF									
	M-CSF									
	IL-6									
74	IL-7									
	SCF									
	LTf									
75	IL-7									
	SCF									
	LTf									
Endogenous Genes	GM-CSF									
	M-CSF									
	IL-6									
	IL-7									
	SCF									
	LTf									

FIG. 5

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Cytokine Expression by Transgenic Mice (pg/ml)

	GM-CSF	M-CSF	IL-6	IL-7	SCF	LIF
Clone12						
BM stromal	0-0.34	0	0-0.194			
Serum	0.4-5.4	35-939	0			
Clone71						
BM stromal	0-14.1	0-3204	2-26			
Serum	0.2-5.0	926-1176	0.2-3.1			
Clone74						
BM stromal				0-354	7-125	0
Serum				0-2.0	0-2.5	0
Clone75						
BM stromal				20-188	0-8	0
Serum				0-1.1	0-10.4	0-149
Clone182						
BM stromal	0-0.16	0	0-5	0	26-256	0
Serum	0.3 (1)	0	0 (2)	0 (1)	0 (1)	0-3.5
Clone185						
BM stromal		2.4-2624	2.0-13			
Serum	0.1 (1)	1673 (1)	0 (1)		3.4 (1)	
Clone201						
BM stromal	0-129.3	0	0-20	0	0-160	
Serum	0.1 (1)	0-1897	0 (2)	0	0 (2)	

FIG. 6A

**ELISA Kit Sensitivities and
Normal Human Serum Values**

	Sensitivity (pg/ml)	Range (pg/ml)	Average (pg/ml)
GM-CSF	0.36	0-2.19	1.72
M-CSF	9	253-1715	670
IL-6	0.094	0.378-10.1	1.62
IL-7	0.1	0.27-8.7	2.2
SCF	9	558-1441	984
LIF	8	0-44.7	0 (39/40)

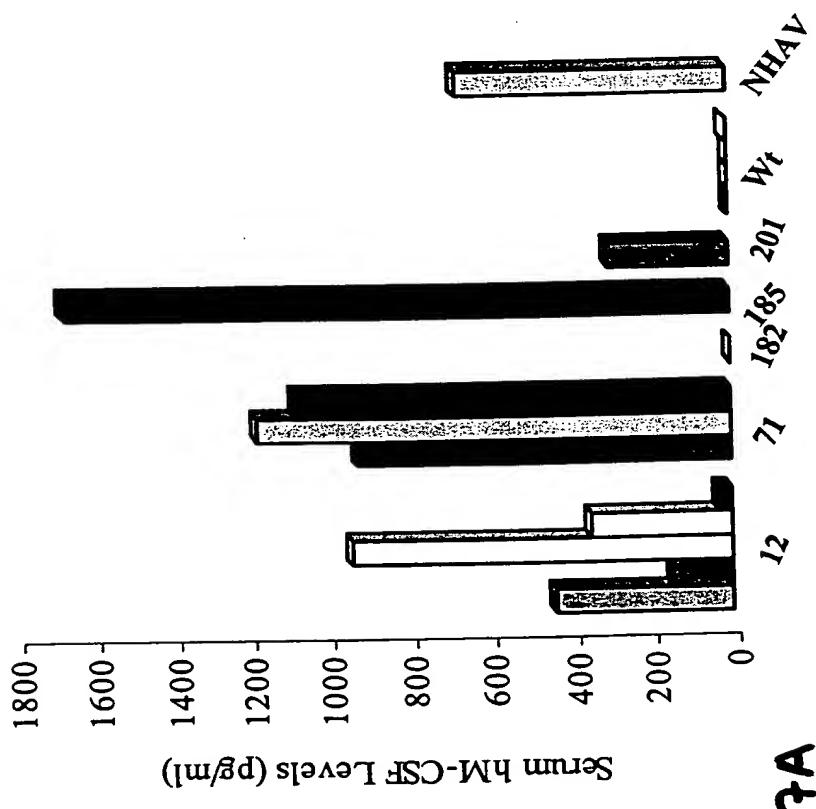
FIG. 6B

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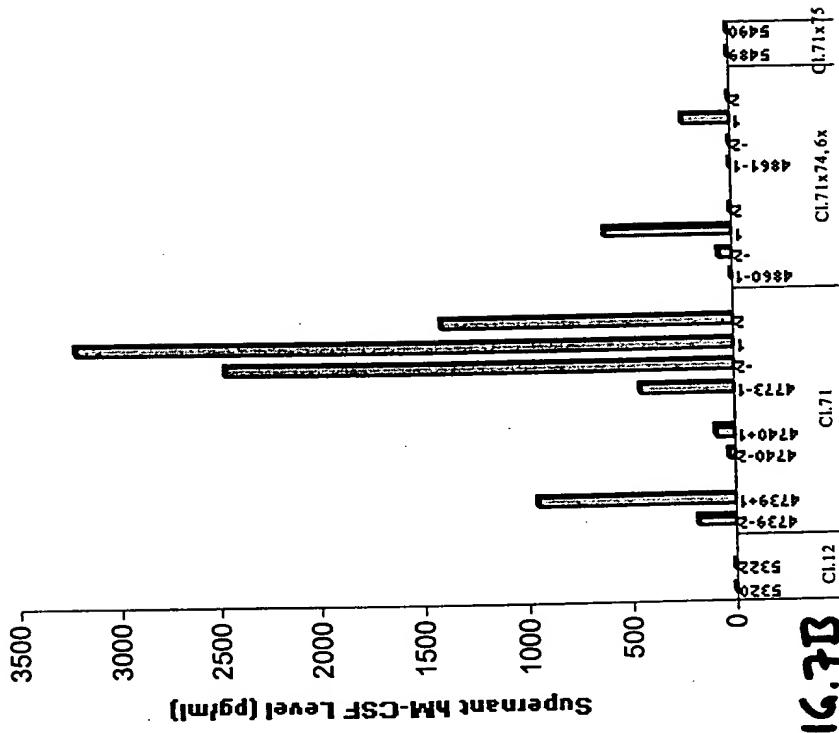
Human M-CSF Protein Expression and Modulation

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Normal human range: 253-1715 pg/ml.

NHAV: normal human average value: 670 pg/ml.



Protocol

Effects of Transgenic Murine Hematopoietic Microenvironment on Human Hematopoiesis In Vitro

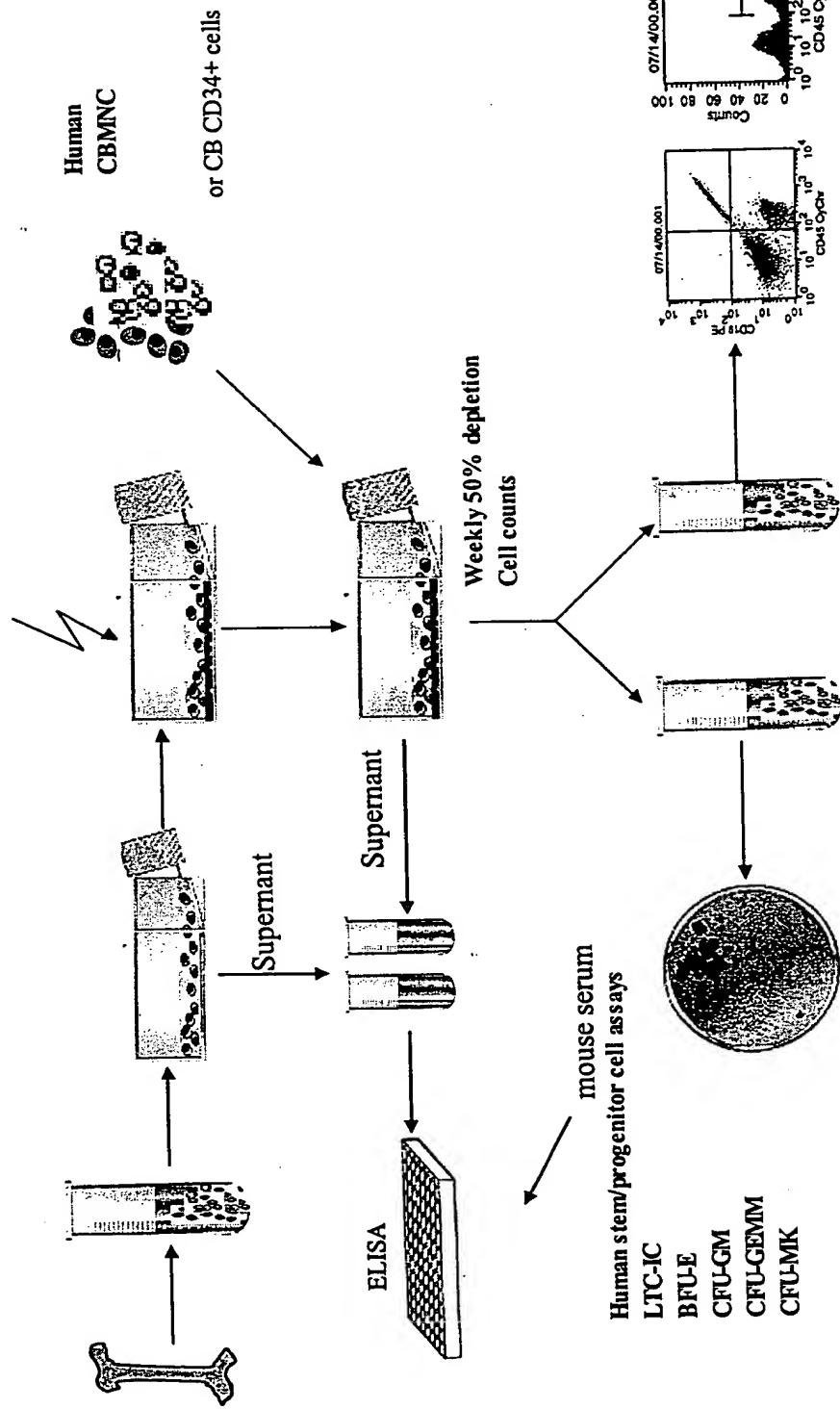


FIG. 8

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Maintenance of Human Non-adherent Cell Production in
vitro by BM Stromal Cells from *i*-mune Mice

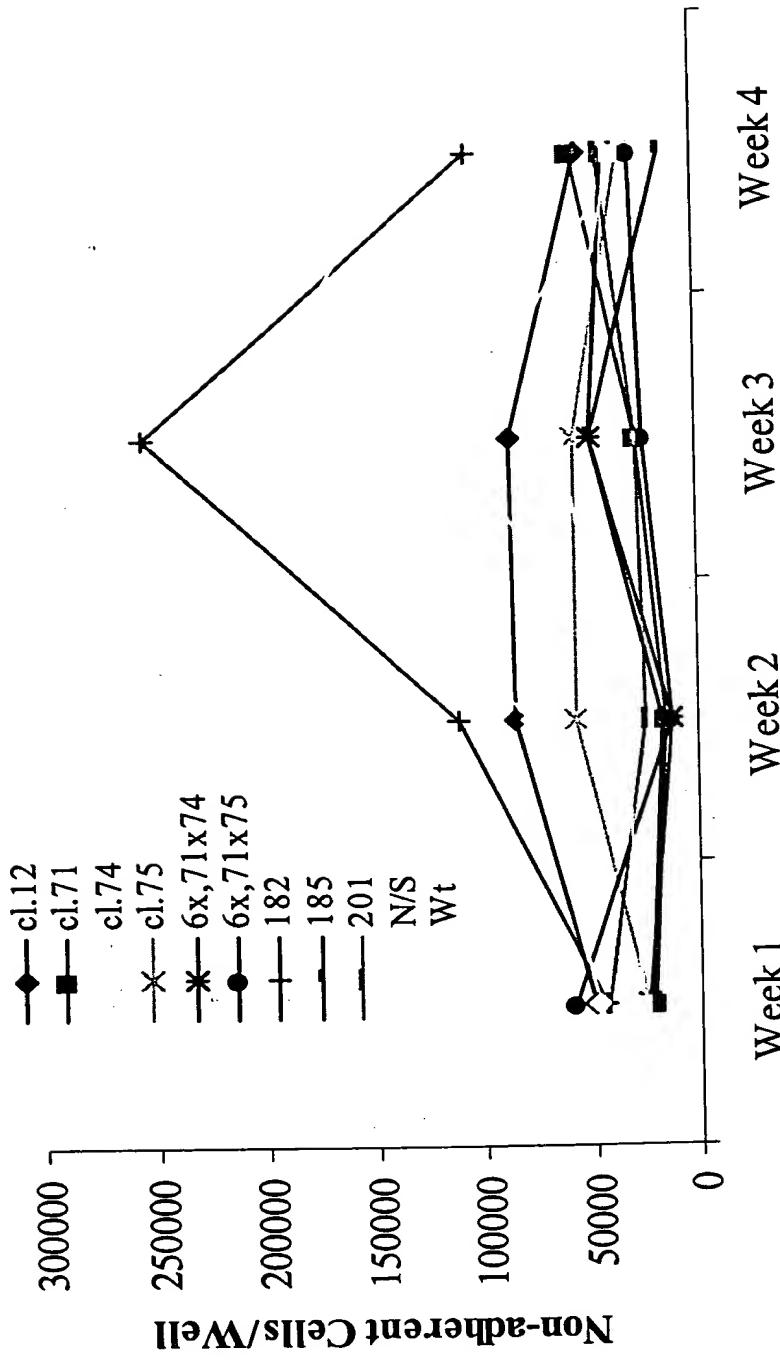


FIG. 9

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Maintenance of Human Myeloid Progenitor Production in vitro by BM Stromal Cells from *i*-mune Mice

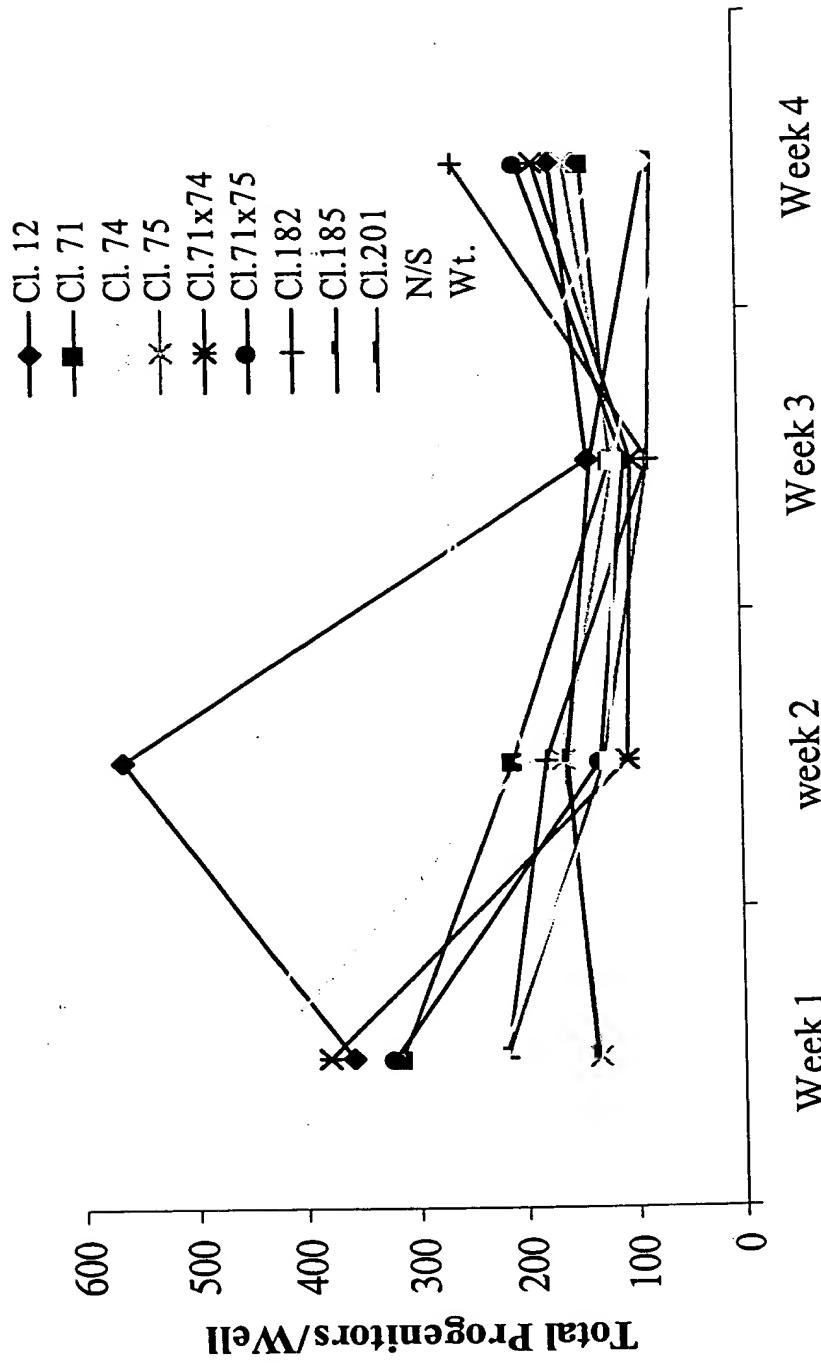


FIG. 10

FIG. 280 " 6898E1610

Maintenance of Human Myelopoiesis in vitro by BM Stromal Cells of *i*-mune Mice

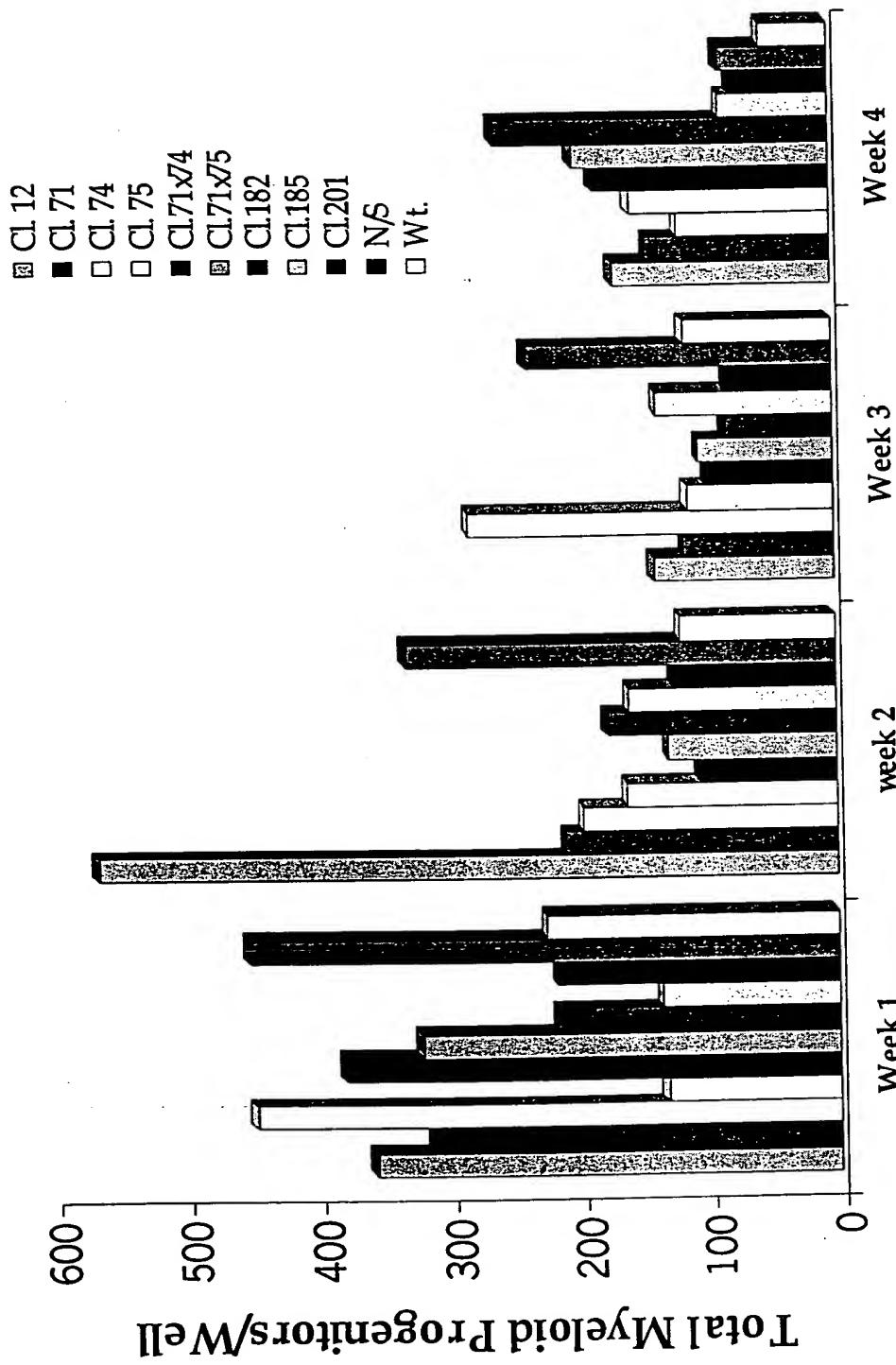


FIG. 11

FILE # 68381660

Maintenance of Human Myelopoiesis in vitro by BM Stromal Cells of *i*-mune Mice (2)

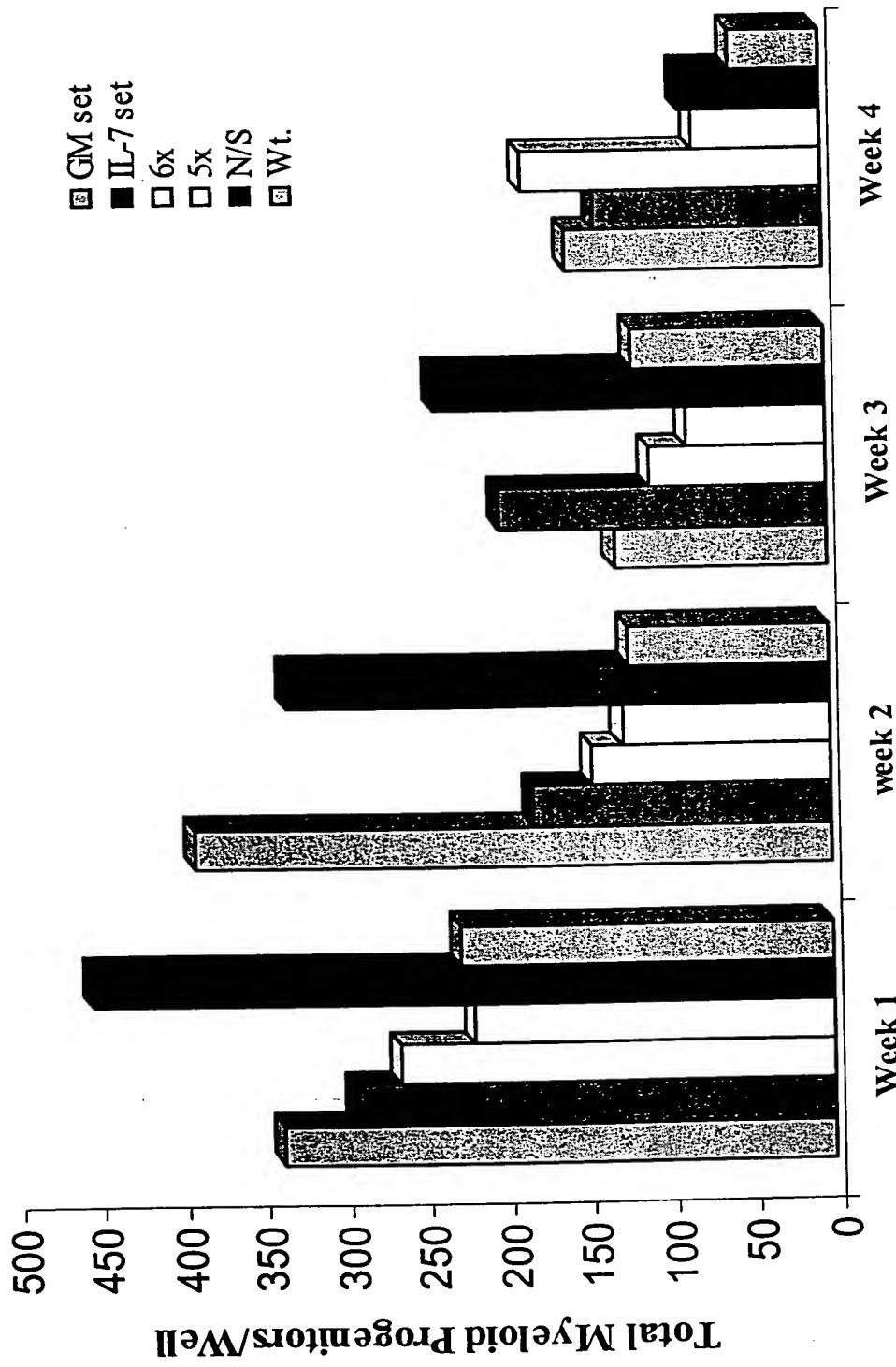


FIG. 12

FILE 220 "6298E660

Human Myeloid Progenitor Production in Week 4 BMILTCs Derived from *i*-mune Mice

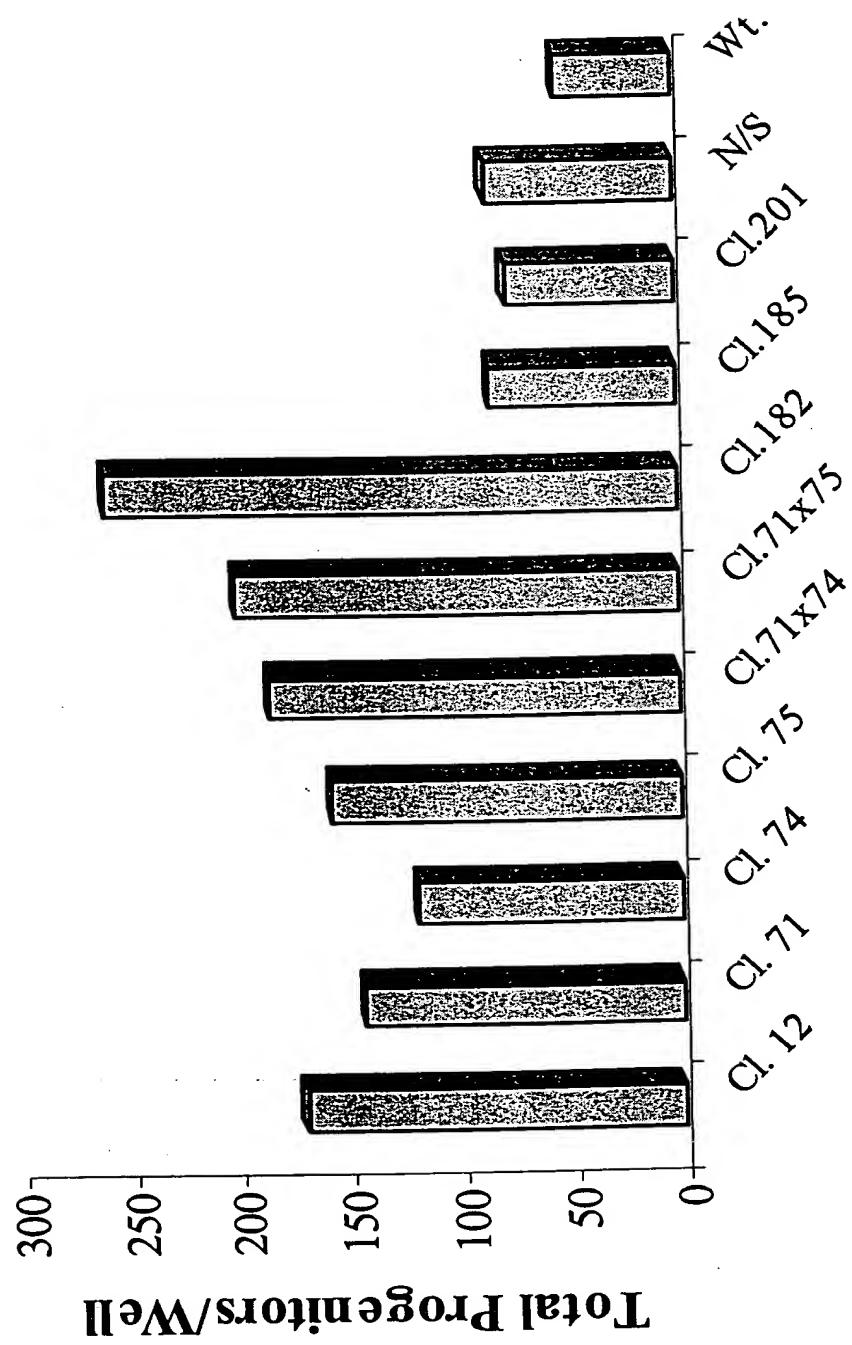


FIG. 13